



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

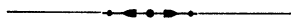
Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

AMERICAN Journal of Mathematics.



SIMON NEWCOMB, Editor.

THOMAS CRAIG, Associate Editor.

PUBLISHED UNDER THE AUSPICES OF THE
JOHNS HOPKINS UNIVERSITY.

Πραγμάτων ἔλεγχος οὐ βλεπομένων.

VOLUME XI.

Baltimore: Publication Agency of the Johns Hopkins University.

AGENTS:

B. WESTERMANN & Co., *New York.*
D. VAN NOSTRAND, *New York.*
E. STEIGER & Co., *New York.*
A. C. MCCLURG & Co., *Chicago.*
CUSHINGS & BAILEY, *Baltimore.*
DAMRELL & UPHAM, *Boston.*

TRÜBNER & Co., *London.*
A. HERMANN, *Paris.*
GAUTHIER-VILLARS, *Paris.*
MAYER & MÜLLER, *Berlin.*
ULRICO HOEPLI, *Milan.*
KARL J. TRÜBNER, *Strassburg.*

1889.

PRESS OF ISAAC FRIEDENWALD,
BALTIMORE, MD.

INDEX.

	PAGE
BASSET, A. B. On the Steady Motion of an Annular Mass of Rotating Liquid, . . .	172
BOLZA, OSKAR. On the Construction of Intransitive Groups,	195
CAYLEY, A. On the Surfaces with Plane or Spherical Curves of Curvature, . . .	71, 293
On the Theory of Groups,	139
FIELDS, J. C. The Expression of any Differential Coefficient of a Function of a Function of any number of Variables by aid of the corresponding Differential Coefficients of any n Powers of the Function, where n is the Order of the Differential Coefficient,	388
FINE, HENRY B. On the Functions defined by Differential Equations, with an Exten- sion of the Puiseux Polygon Construction to these Equations,	317
FRANKLIN, F. Note on the Double Periodicity of the Elliptic Functions,	283
GOURSAT, E. Sur les solutions singulières des équations différentielles simultanées, .	329
HEUN, KARL. Die Herstellung einer lineären Differentialgleichung aus einem gege- benen Element der Integralfunktion,	215
JOHNSON, WILLIAM WOOLSEY. On the Integrals in Series of Binomial Differential Equations,	37
KOENIGSBERGER, LEO. Über die Reduction von Integralen transcender Functionen,	221
LIE, SOPHUS. Die Begriffe Gruppe und Invariante,	182
LOVE, A. E. H. Vortex Motion in certain Triangles,	158
MACMAHON, CAPT. P. A. Memoir on a New Theory of Symmetric Functions, . . .	1
MORLEY, F. On the Geometry of a Nodal Circular Cubic,	307
D'OCAGNE, MAURICE. Sur certaines courbes qu'on peut adjoindre aux courbes planes pour l'étude de leurs propriétés infinitésimales,	55
PEROTT, JOSEPH. Remarque au sujet du théorème d'Euclide sur l'infinité du nombre des nombres premiers,	99
PICARD, EMILE. Sur les formes quadratiques binaires à indéterminées conjuguées et les fonctions fuchsienues,	187
ROWLAND, HENRY A. Electromagnetic Waves and Oscillations at the Surface of Con- ductors,	373